



[Title of the Invention]

ELECTRON SOURCE SUBSTRATE AND IMAGE FORMING APPARATUS, AND
MANUFACTURING METHODS THEREFOR

[Abstract]

[Objective]

Provided is a method, for manufacturing an electron source, wherein a plurality of surface-conductive electron emitting devices are arranged, and an image processing apparatus, whereby the cost and the number of procedures are reduced, and the configuration of electrodes and a wiring portion is simplified, so that the reliability of mutual electrical connected portions can be improved, and an image having higher quality can be obtained by using a high-density pixel array.

[Means for Resolution]

Wiring for a first layer to be connected to one of the device electrodes of a surface-conductive electron emitting device is formed, and wiring for a second layer to be connected to the other device electrode is formed. On the wiring for the second layer, wiring for a third layer is formed using the same material to fabricate an electron source substrate, and by employing the electron source substrate, an image forming apparatus is produced.